



## Transparencia 9

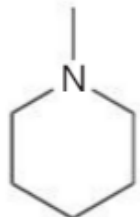
Señala todos los centro Nu<sup>-</sup> y E<sup>+</sup> de las moléculas indicando el motivo del efecto



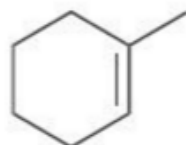
Inducción: 1 centro Nu<sup>-</sup> y un centro E<sup>+</sup>



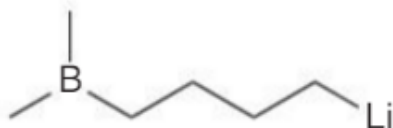
Inducción + 2 pares de electrones: 2 centro Nu<sup>-</sup> y un centro E<sup>+</sup>



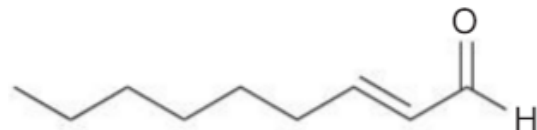
1 par de electrones: 1 centro Nu<sup>-</sup>



Enlace  $\pi$  + 2 orb p vacíos: 1 centro Nu<sup>-</sup> y 2 centros E<sup>+</sup>



4 Inducciones: 4 centro Nu<sup>-</sup> y 2 centro E<sup>+</sup>

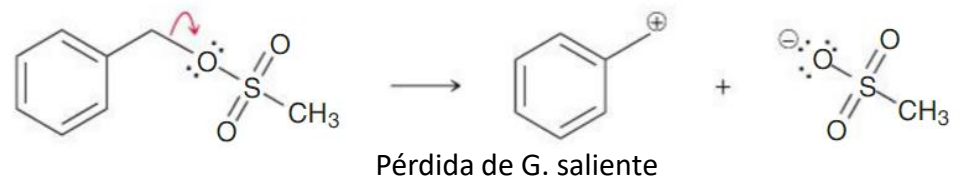
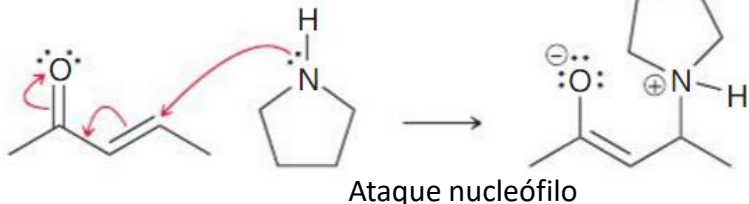
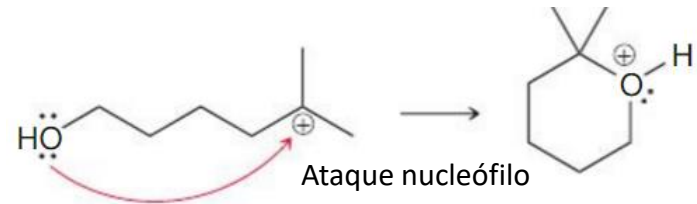
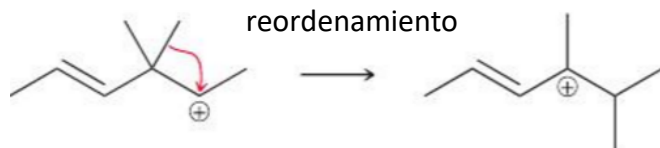
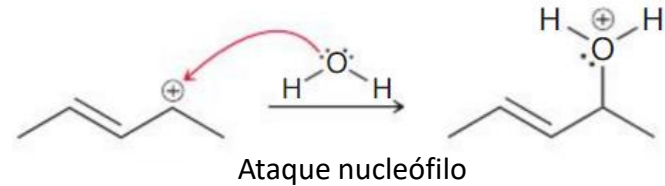
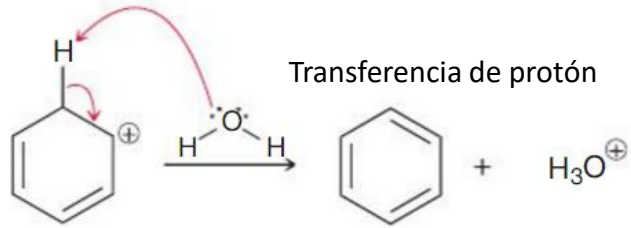
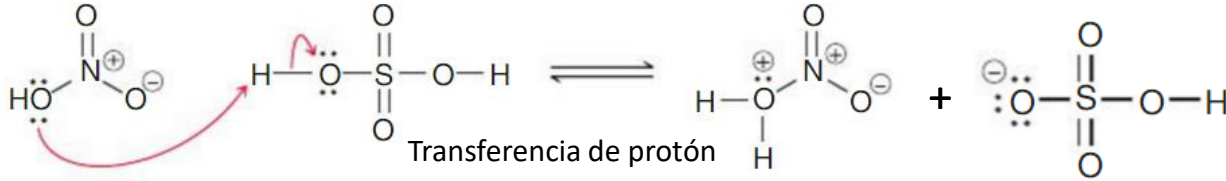
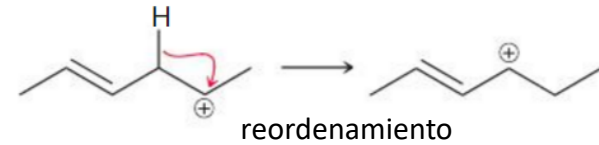
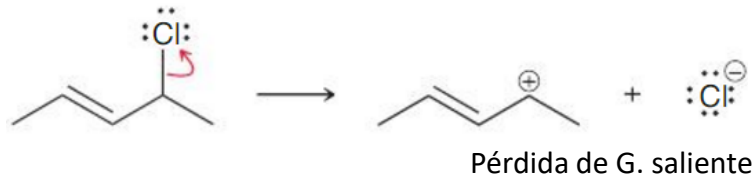


Inducción + 2 enlace  $\pi$  + par de electrones + 3 orbital p vacío: 3 centro Nu<sup>-</sup> y 3 centros E<sup>+</sup>



## Transparencia 18

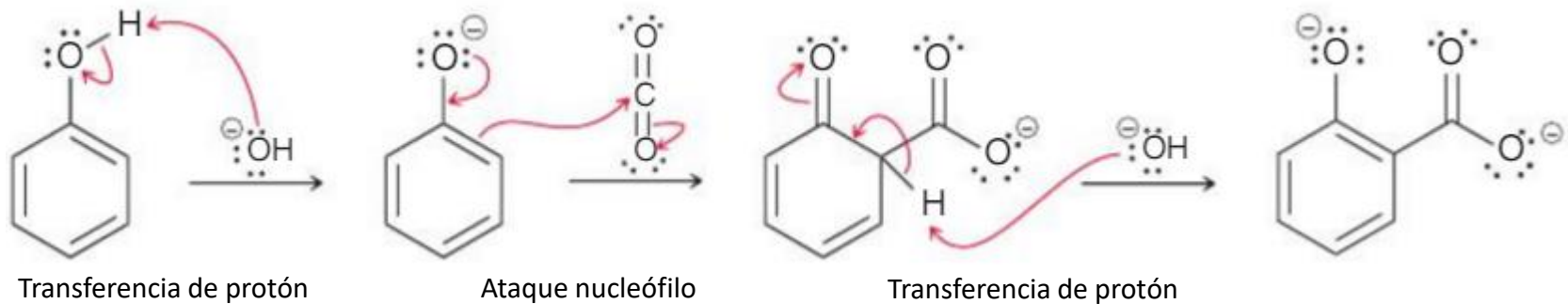
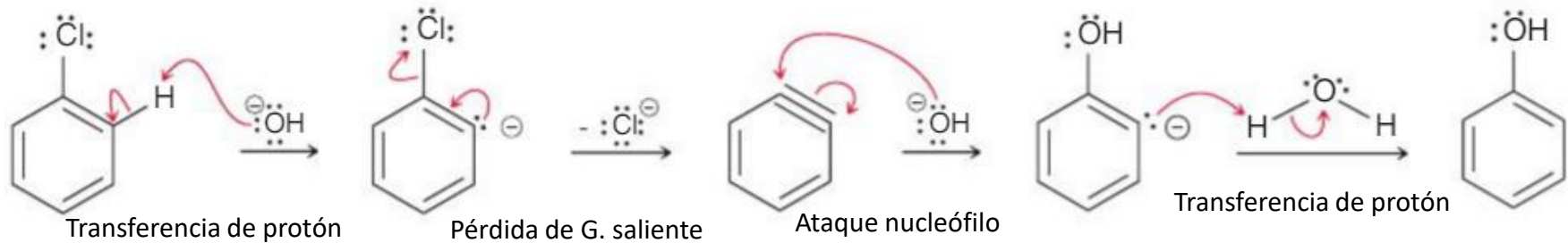
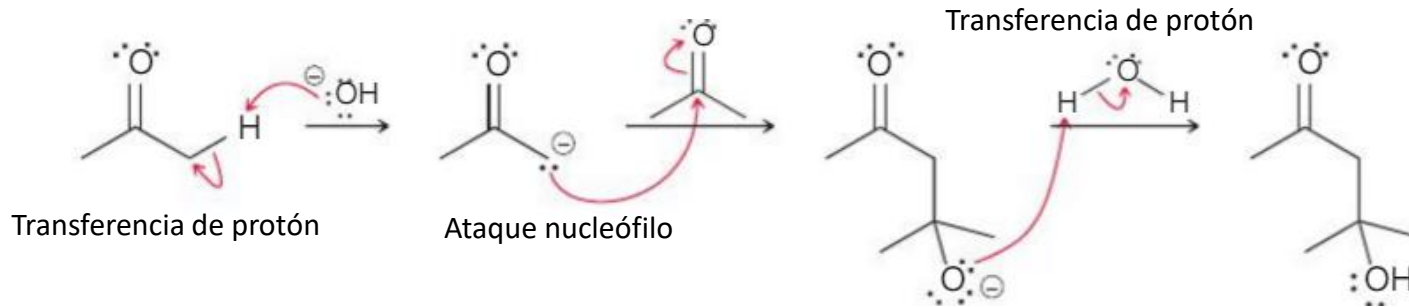
Identificar para cada paso de reacción el patrón de desplazamiento de electrones





## Transparencia 21

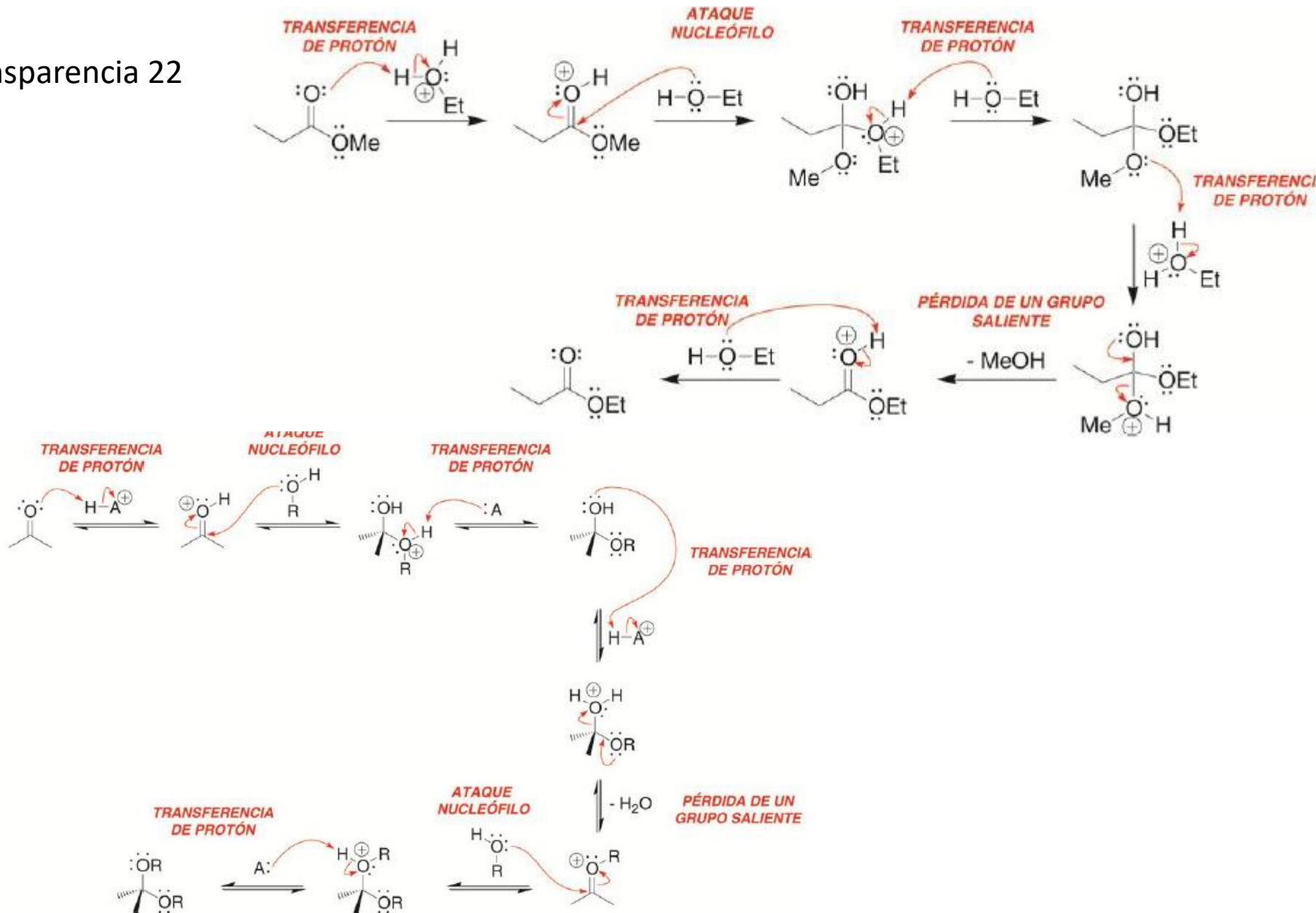
Identificar para cada paso de reacción el patrón de desplazamiento de electrones



# Problemas resueltos del Tema 4



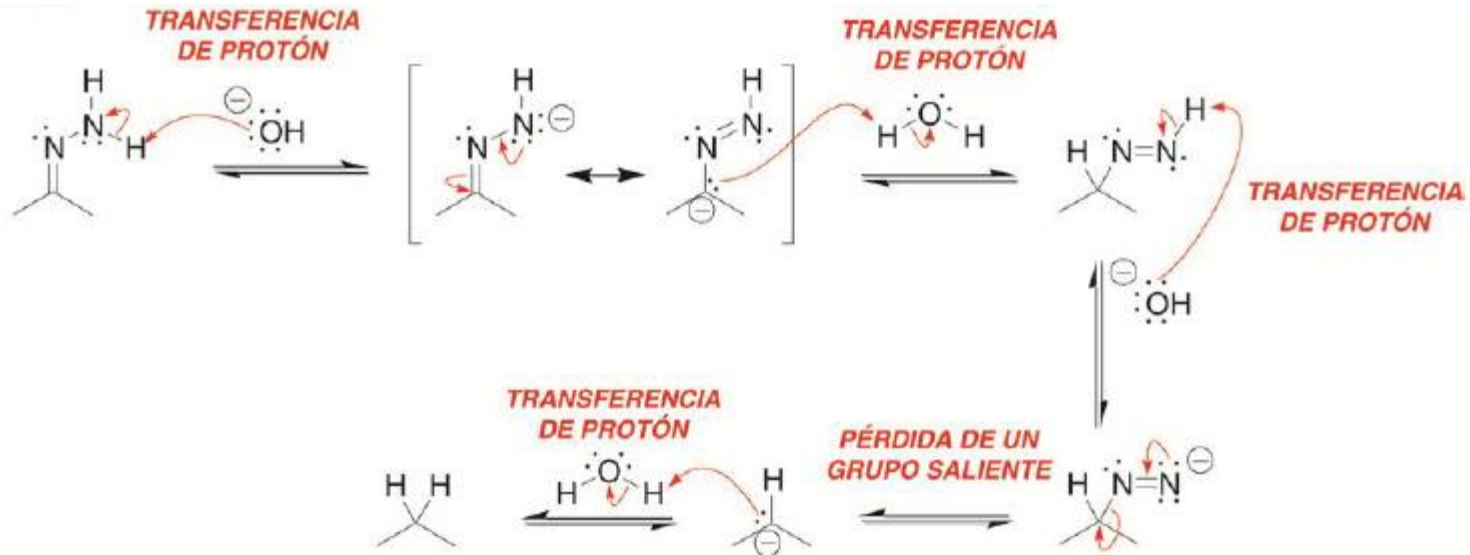
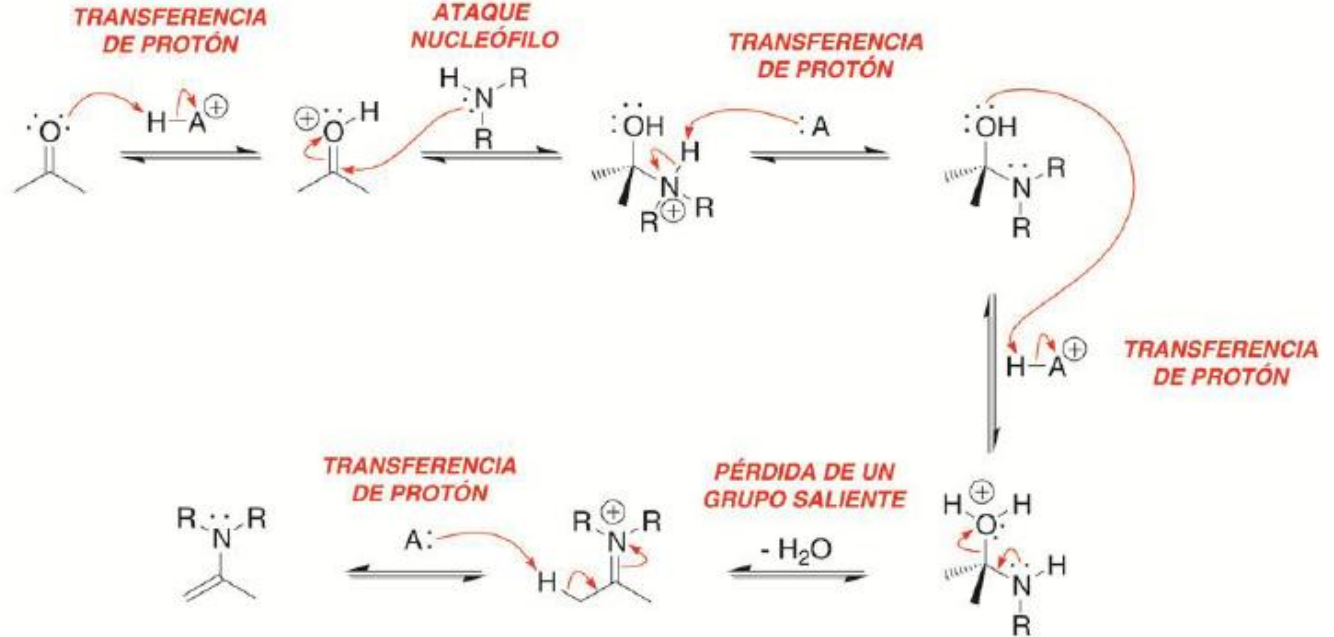
## Transparencia 22



# Problemas resueltos del Tema 4



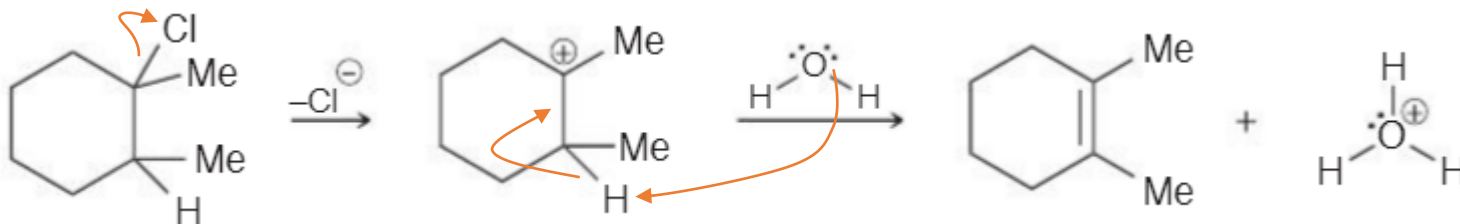
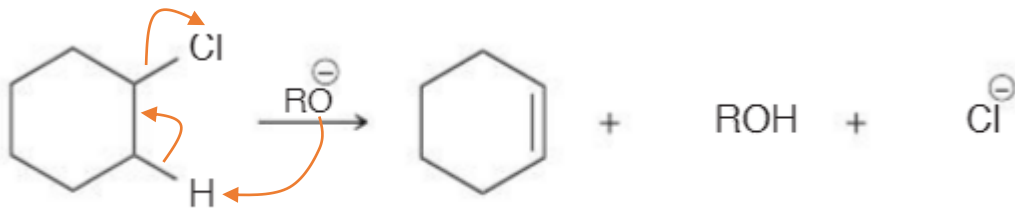
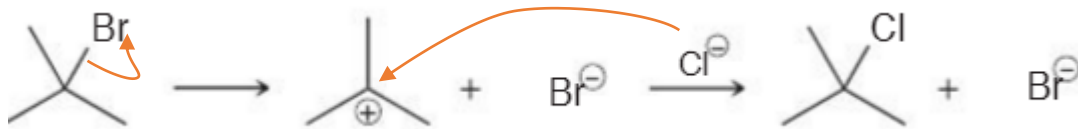
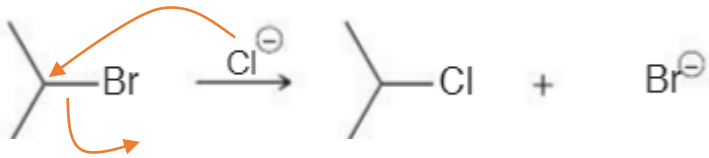
## Transparencia 23





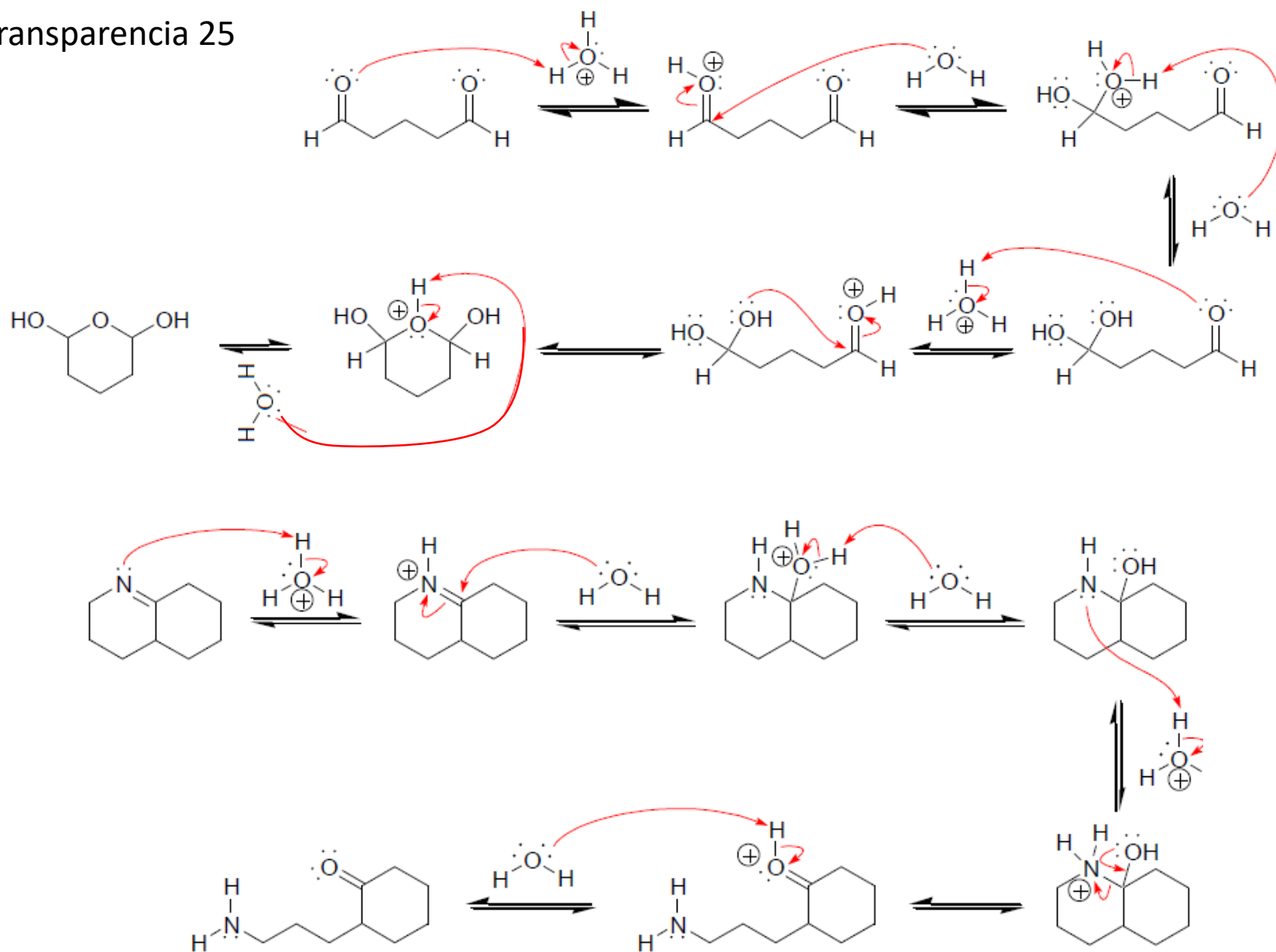
## Transparencia 24

Indica las flechas curvas que indican cada uno de las siguientes transformaciones





## Transparencia 25





## Transparencia 26

